

WHAT IS CLAIMED IS:

1 1. A photographic element comprising:
2 a transparent film support;
3 a blue recording layer coated on the support, the blue recording layer
4 comprising a first image dye-forming coupler and radiation-sensitive silver halide
5 grains for forming a developable latent image upon imagewise exposure;
6 a green recording layer coated on the support, the green recording layer
7 comprising a second image dye-forming coupler and radiation-sensitive silver halide
8 grains for forming a developable latent image upon imagewise exposure;
9 a red recording layer coated on the support, the red recording layer comprising
10 a third image dye-forming coupler and radiation-sensitive silver halide grains for
11 forming a developable latent image upon imagewise exposure; and
12 wherein the radiation-sensitive silver halide grains in each recording layer
13 comprises at least a first and second set of radiation-sensitive silver halide grains, the
14 first set of radiation-sensitive silver halide grains having a higher maximum
15 sensitivity and a faster development time than the second set of radiation-sensitive
16 silver halide grains.

1 2. The photographic element as recited in claim 1 wherein the first image dye-
2 forming coupler forms a yellow image dye, the second image dye-forming coupler
3 forms a magenta image dye, and the third image dye-forming coupler forms a cyan
4 image dye.

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1 3. The photographic element as recited in claim 1 wherein the first and second
2 sets of radiation-sensitive silver halide grains are disposed within a single emulsion
3 layer.

1 4. The photographic element as recited in claim 1 wherein the first set of
2 radiation-sensitive silver halide grains are disposed within a first emulsion layer and
3 the second set of radiation-sensitive silver halide grains are disposed within a second
4 emulsion layer.

1 5. The photographic element as recited in claim 1 wherein the radiation-sensitive
2 silver halide grains further comprises a third set of radiation-sensitive silver halide
3 grains having a maximum sensitivity and a development time between that of the first
4 set of radiation-sensitive silver halide grains and the second set of radiation-sensitive
5 silver halide grains.

1 6. The photographic element as recited in claim 1 wherein the development time
2 of the second set of radiation-sensitive silver halide grains is retarded by increasing
3 the amount of less-soluble halide within the composition of the second set of
4 radiation-sensitive silver halide grains.

1 7. The photographic element as recited in claim 1 wherein the development time
2 of the second set of radiation-sensitive silver halide grains is retarded by using a
3 development retarder as an emulsion addenda.

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1 8. The photographic element as recited in claim 1 wherein the development time
2 of the second set of radiation-sensitive silver halide grains is retarded by using an
3 antifoggant.

1 9. The photographic element as recited in claim 1 wherein the development time
2 of the second set of radiation-sensitive silver halide grains is retarded by using an
3 antifoggant with solubilizing groups which diffuse away and diminish in activity over
4 time.

1 10. The photographic element as recited in claim 1 wherein the development time
2 of the second set of radiation-sensitive silver halide grains is retarded by using a
3 development retarding spectral-sensitizing dye.

1 11. The photographic element as recited in claim 1 wherein the development time
2 of the second set of radiation-sensitive silver halide grains is retarded by using a
3 development retarding spectral-sensitizing dye with added solubility function groups
4 which diffuse away with time.

1 12. The photographic element as recited in claim 1 wherein the development time
2 of the second set of radiation-sensitive silver halide grains is retarded by using an
3 emulsion stabilizer.

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1 13. The photographic element as recited in claim 1 wherein the development time
2 of the second set of radiation-sensitive silver halide grains is retarded by using an
3 emulsion stabilizer with solubilizing groups.

1 14. The photographic element as recited in claim 1 wherein the development time
2 of the second set of radiation-sensitive silver halide grains is retarded by reducing the
3 level of chemical sensitization.

1 15. The photographic element as recited in claim 1 wherein the development time
2 of the second set of radiation-sensitive silver halide grains is retarded by altering the
3 type of chemical sensitization.

1 16. The photographic element as recited in claim 1 wherein the development time
2 of the second set of radiation-sensitive silver halide grains is retarded by removal of
3 reduction sensitization.

1 17. The photographic element as recited in claim 1 wherein the development time
2 of the second set of radiation-sensitive silver halide grains is retarded by
3 encapsulating the second set of radiation-sensitive silver halide grains.

1 18. The photographic element as recited in claim 1 wherein the development time
2 of the second set of radiation-sensitive silver halide grains is retarded by including
3 developer inhibiting/releasing agents within the emulsion.

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1 19. The photographic element as recited in claim 1 wherein the development time
2 of the first set of radiation-sensitive silver halide grains is accelerated by using
3 accelerators.

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